

Frequency Range (MHz)	Power Density (mW/sq.cm)	
*****	*****	
0.3 to 3	100	AM
3 to 30	$900/(\text{Freq}^2)$	
30 to 300	1.0	VHF TV & FM
300 to 1,500	$\text{Freq}/300$	UHF TV
1500 to 100,000	5.0	

WAMJ recognizes that compliance with the above criteria at sites involving multiple AM, FM and/or TV facilities is based upon the contributions of all such facilities. At the site discussed in this application, the only significant facility that will exist is the proposed FM facility.

However, because of the numerous other communications facilities on the roof top, WAMJ herein commits to take RF Exposure measurements to document that the site is in compliance prior to commencing Program Test Authority (PTA) for its upgraded C3 facility. The remaining part of the RF Exposure analysis contained herein will be limited to the proposed C3 FM.

#### FM BROADCAST STATIONS

For FM Broadcast Stations the following formula is used:

$$D = \frac{\text{SQRT}( F^2 * [ \text{HERP} + \text{VERP} ] )}{1.667 * \text{SQRT}(\text{PD}) * 3.2808}$$

Where:

- D = the closest distance in meters that a human should come to an operating antenna (to obtain feet multiply by 3.2808)
- F = typical relative field factor in downward direction ( F = 1 is worst case main lobe)
- HERP = Horizontal ERP in watts (above a dipole)
- VERP = Vertical ERP in watts (above a dipole)
- PD = highest Power Density in milli-watts/cm<sup>2</sup>
- SQRT = Square Root
- Freq = Frequency in mega-cycles/sec. (MHz)

The vertical radiation pattern of the FM antenna specified in this application is very narrow and, therefore, the power density as seen by an observer on the ground near the base of the tower will be less than 10 percent of the total ERP.

The application of the above equation (assuming maximum ERP), in our case, for a frequency of 107.5 MHz and a "un-controlled" Power Density of 0.2 milli-watts results in a minimum distance of 55.5 meters (182 feet) from the antenna. Inasmuch as the lowest element on the proposed antenna will be approximately 19.8 meters (65 feet) above roof level, additional analysis is required before one can conclude that no hazard will exist.

Figure 7 is a vertical elevation plot for an ERI 4 bay half-wave spaced FM antenna (LPX-4AC-HW).

Figure 7-A is a plot of the predicted RF Exposure at 7 feet above roof level. The "solid" line assumes a vertical form factor of F=1.0 while the "dashed" line uses the vertical form factor from Figure 7. As can

MULLANEY ENGINEERING, INC.

be seen, the use of the 4 bay half-wave spaced FM antenna reduced the exposure at roof level (within a radius of 500 feet) below 49.7 uW/sq.cm or 4.97%percent of the standard for a "controlled" area. For FM, the "un-controlled" standard is 20% and, therefore, this proposal is in full compliance. Because of the complexities of a roof top site, WAMJ is committing herein to take RF Exposure measurements to document that the site is in compliance prior to commencing Program Test Authority (PTA) for its upgraded C3 facility.

The door to the roof will be locked to limit access.

Workers employed to climb the tower or work in a potential over-exposure location will not be permitted to enter the work area until cleared by the station manager or other responsible person. Appropriate warning signs will be posted to insure safety. In addition, WAMJ will establish and enforce work rules and safety procedures applicable in a potential over-exposure area. The rules will establish how close a worker can get to the antenna when it is operating at normal power and specify the power reduction required in order to make other locations safe. It is recognized that maintenance or installation work on or near the antenna may require the station to completely shutdown or switch temporarily to an auxiliary antenna or an auxiliary transmitter site. All employees, contract and other persons having access to areas of potential exposure will be

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required to sign a site management guide indicating they are aware of and will comply with all safety rules. In the instance of a multiple use site, a single site access policy incorporating the above philosophy will be established. All procedures will be reviewed & updated as necessary.

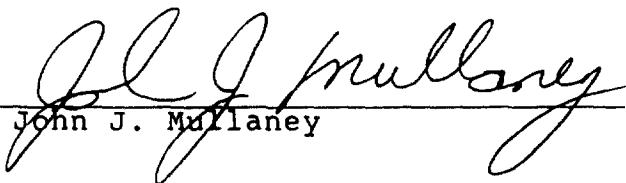
III. SUMMARY:

Dogwood Communications, Inc., licensee of Radio Station WAMJ at Roswell, Georgia, requests a Construction Permit authorizing a "one-step" upgrade from Channel 298A to 298C3. WAMJ proposes to change sites and operate with an ERP of 9.2 KW-DA and an HAAT of 163 Meters. This application proposes facilities which are in compliance with the contour protection requirements of Section 73.215. As will be shown herein, there is a special reference point which meets all of the minimum separations required for C3 operation.

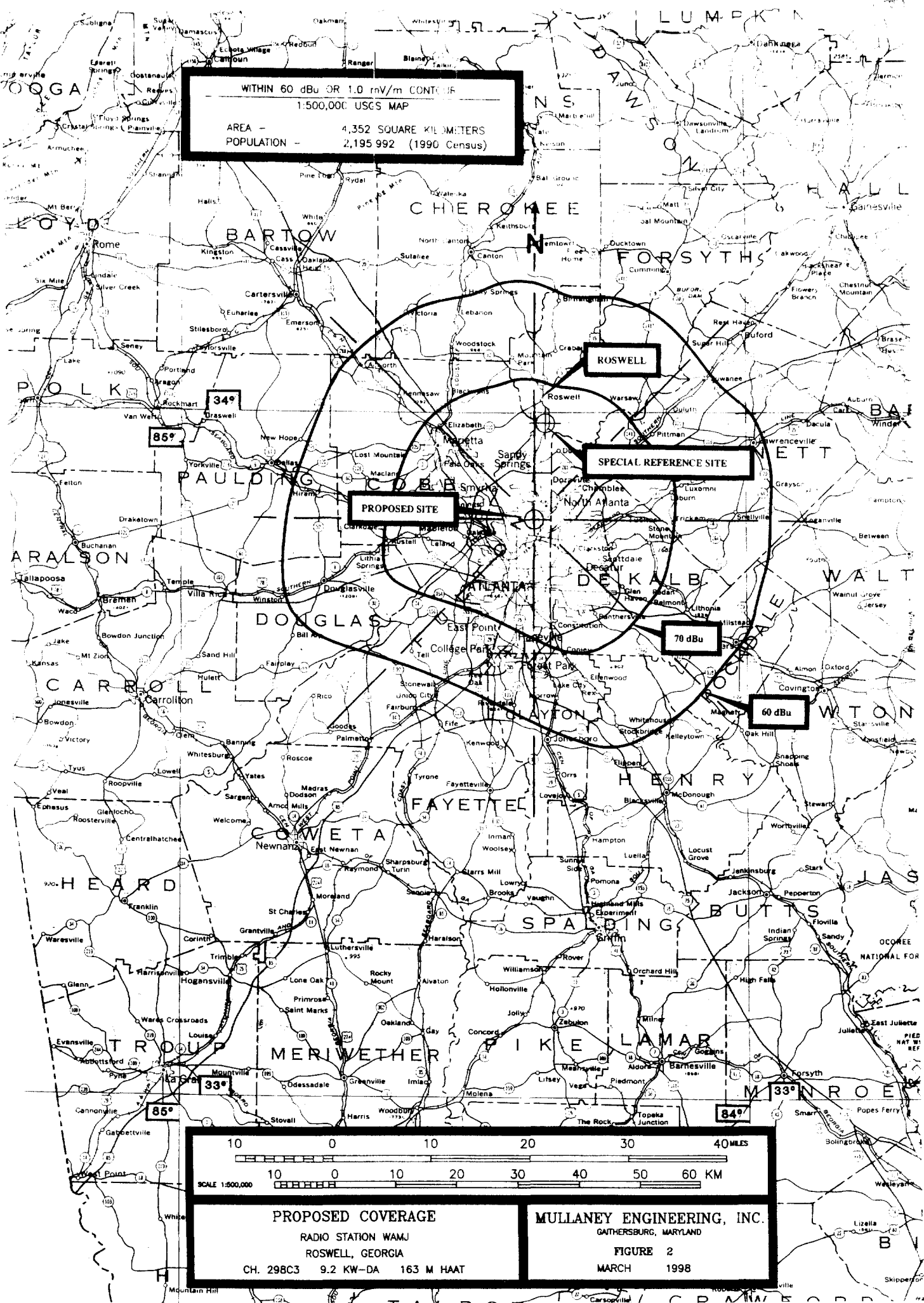
This upgrade was made possible with the deletion of Ch. 298A at La Fayette, Georgia (MM Docket 97-196, effective date: 3/9/98). This upgrade application is mutually exclusive with a pending rule making by Radio Station WPEZ to re-allot FM Ch. 300C1 from Macon to Hampton, GA (MM Docket 98-18, comment date: 4/13/98).

This engineering proposal is in full compliance with the Commission's Rules.

March 5, 1998.

  
John J. Mullaney

WITHIN 60 dBu OR 1.0 mV/m CONTOUR  
1:500,000 USGS MAP  
AREA - 4,352 SQUARE KILOMETERS  
POPULATION - 2,195,992 (1990 Census)



<p>10 0 10 20 30 40 MILES</p> <p>10 0 10 20 30 40 50 60 KM</p> <p>SCALE 1:500,000</p>	
<p><b>PROPOSED COVERAGE</b></p> <p>RADIO STATION WAMJ</p> <p>ROSWELL, GEORGIA</p> <p>CH. 29BC3 9.2 KW-DA 163 M HAAT</p>	<p><b>MULLANEY ENGINEERING, INC.</b></p> <p>GAITHERSBURG, MARYLAND</p> <p><b>FIGURE 2</b></p> <p><b>MARCH 1998</b></p>

# FM COVERAGE

\*\*\*\*\*

WAMJ C3 UPGRADE - FROM TOWER PLACE

3/98

CHANNEL NO. 298 C3      FREQUENCY 107.5 MHZ  
CENTER OF RADIATION 448.1 METERS AMSL  
COORDINATES: 33-50-48 / 84-22-16

MAXIMUM ERP 9.2 KW-DA

CITY	BEARING DEGREES *****		3-16 KM AVERAGE *****	C.R. HAAT *****	E.R.P. (KW) *****	DISTANCE TO CONTOURS (KM)		
						115.0	70.0	60.0
	0.	*	295.3	152.8	9.200	1.2	22.4	38.0
	15.		303.8	144.3	9.200	1.2	21.7	36.9
	30.		292.5	155.6	9.200	1.2	22.5	38.3
	45.	*	299.8	148.3	9.200	1.2	22.0	37.3
	60.		294.0	154.1	9.200	1.2	22.4	38.0
	75.		282.8	165.3	9.200	1.2	23.2	39.3
	90.	*	294.6	153.5	9.200	1.2	22.4	38.0
	105.		294.8	153.3	9.200	1.2	22.4	38.0
	120.		285.5	162.6	9.200	1.2	23.0	38.9
	135.	*	288.4	159.7	9.200	1.2	22.9	38.6
	150.		285.8	162.3	9.200	1.2	23.0	38.9
	165.		286.2	161.9	8.200	1.1	22.4	38.0
	180.	*	285.0	163.1	4.303	0.8	19.3	32.8
	195.		287.4	160.7	3.046	0.7	17.5	29.9
	210.		280.6	167.5	2.715	0.6	17.4	29.8
	225.	*	266.7	181.4	3.264	0.7	19.0	32.3
	240.		251.3	196.8	6.220	1.0	22.9	38.9
	255.		250.6	197.5	9.200	1.2	25.1	42.2
	270.	*	269.1	179.0	9.200	1.2	24.0	40.7
	285.		287.9	160.2	9.200	1.2	22.9	38.8
	300.		285.3	162.8	9.200	1.2	23.0	39.1
	315.	*	285.4	162.7	9.200	1.2	23.0	39.1
	330.		287.0	161.1	9.200	1.2	22.9	38.8
	345.		301.4	146.7	9.200	1.2	21.9	37.2

AVERAGE ( 8) \* 285.5 162.6 Meters

AREA IN SQUARE KILOMETERS 3.83 1511. 4352.

115.0 DBU BLANKET CONTOUR IS COMPUTED VIA SECTION 73.318

## TABULATION OF PROPOSED CONTOURS

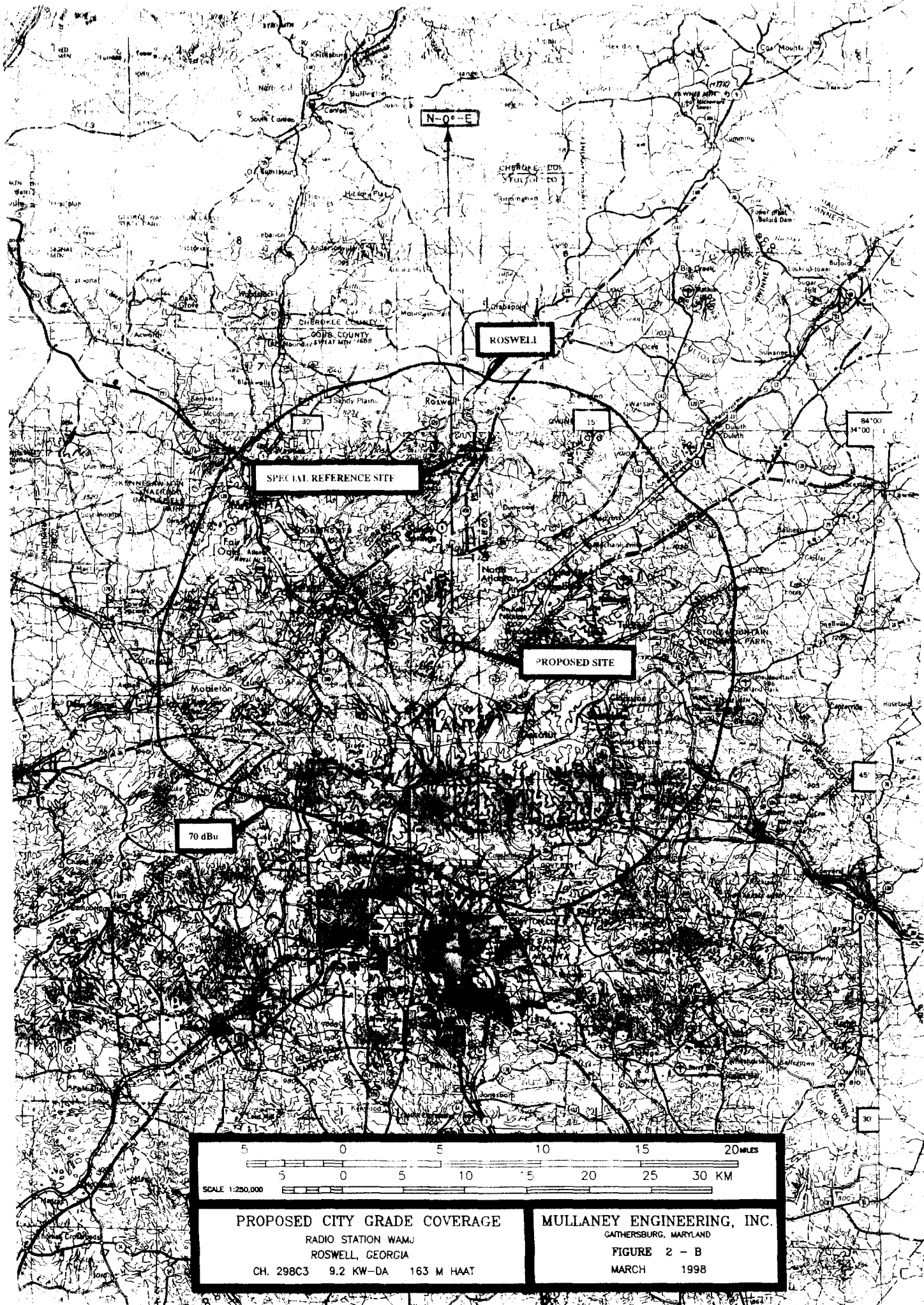
RADIO STATION WAMJ  
ROSWELL, GEORGIA  
Ch. 298C3 9.2 KW-DA 163 M HAAT

## MULLANEY ENGINEERING, INC.

GATHERSBURG, MARYLAND

FIGURE 2-A

MARCH 1998



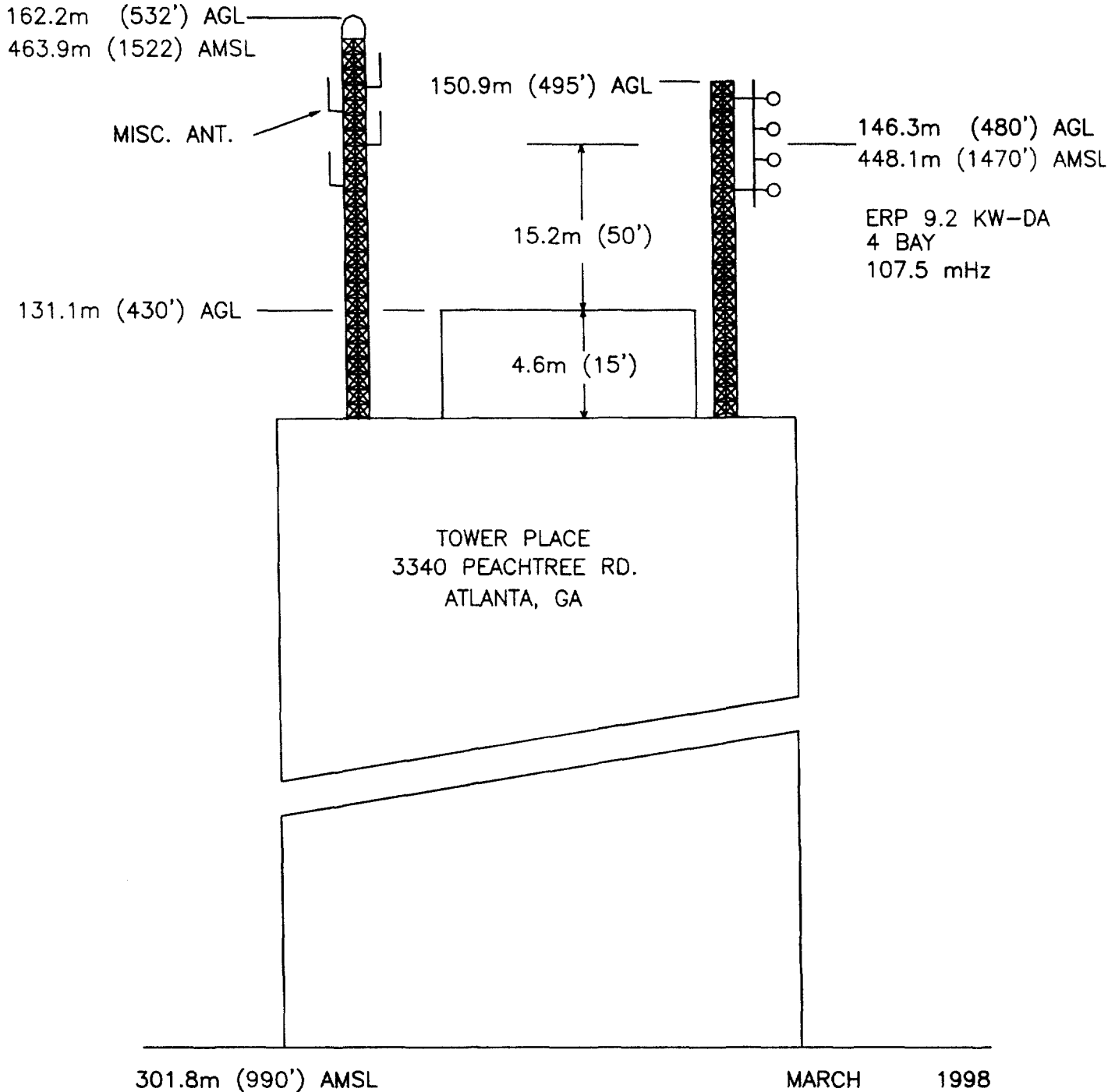
5 0 5 10 15 20 MILES	
5 0 5 10 15 20 25 30 KM	
SCALE 1:250,000	
<b>PROPOSED CITY GRADE COVERAGE</b>	
RADIO STATION WAMJ	
ROSWELL, GEORGIA	
CH. 298C3 9.2 KW-DA 163 M HAAT	
<b>MULLANEY ENGINEERING, INC.</b>	
GATHERSBURG, MARYLAND	
<b>FIGURE 2 - B</b>	
MARCH 1998	

PAINTING AND LIGHTING IN ACCORDANCE  
WITH F.A.A. SPECIFICATIONS.

N. LAT.: 33-50-48      NAD 1927  
W. LON: 84-22-16  
N. LAT.: 33-50-48.37      NAD 1983  
W. LON: 84-22-15.74

FAA: 79-ASO-1992-OE

NOT DRAWN TO  
SCALE OR SHAPE



### TOWER SKETCH

RADIO STATION WAMJ  
ROSWELL, GEORGIA

CH. 298C3    9.2 KW-DA    163 M HAAT

MULLANEY ENGINEERING, INC.  
GAITHERSBURG, MARYLAND

FIGURE 3  
MARCH 1998



\*\*\*\*\* FM CHANNEL STUDY NO. 2 - MULLANEY ENGINEERING, INC. GAITHERSBURG, MARYLAND - 4-MAR-98 16:26:45 \*\*\*\*\*  
 \*\*\*\*\* LAST UPDATE: 980228 \*\*\*\*\*

WAMJ 298 C3 FM POLARIZATION ERP (KW) HAAT RCAMSL  
 ROSWELL GA US HOR PLN BM TILT (METER) (METER)  
 33.5048 34.2216 (D.MMSS) HORIZONTAL 9.200 0.000 163.0 448.1  
 VERTICAL 9.200 0.000 163.0 448.1

BUILDING / TOWER

\*\*\*\*\*

AZIMUTH		CALL	STS	FILE NUMBER	CITY	ST C	LAT (D.MMSS)	LONG	REL CHN	ERP (KW)		HAAT D (M)	I-CON (KM)	P-CON (KM)	IR DIST RSEP (KM) (KM)	IC RSEP IR IC (KM) (KM)	REZLT
FROM	TO									HORZ	VERT						
300.7	128.3	WTSHEM	LIC	BLH921001KC	Rockmart	GA A	34.1503	84.5905	2ND 296C2	45.H	45.V	158			72.2	56.	
202.8	22.4	WCGQ	LIC	BLH861124KA	Columbus	GA A	32.2759	85.0323	1ST 297C	100.H	100.V	308			165.9	176.	S
59.1	240.1	WJM2FM	LIC	BLH790510AD	Anderson	SC A	34.4206	82.3620	1ST 297C	100.H	100.V	308			188.2	176.	
132.1	312.9	WDBN	LIC	BLH940315KA	Wrightsvi	GA A	32.3705	82.4605	CO 298A	6.0H	6.0V	100			202.2	142.	
14.1	194.1	WAMJ	CP	BPH870727MF	Roswell	GA A	33.5548	84.2045	CO 298A	6.0H	6.0V	98			9.5	142.	-
3.0	183.0		USE		Roswell	GA A	34.0130	84.2136	CO 298A	H	V				19.8	142.	-
320.9	140.4		VAC		La Fayette	GA A	34.4231	85.1333	CO 298A	H	V				123.8	142.	DEL
319.0	138.5	NEW	APP	BPH920304MH	La Fayette	GA A	34.4138	85.1612	CO 298A	2.75H	2.75V	104			125.2	142.	DEL
320.9	140.4		DEL	RM9151	La Fayette	GA A	34.4231	85.1333	CO 298A	H	V				123.8	142.	DEL
**DOCKET**97-196 **																	
267.1	85.9	WRAX	LIC	BLH910708KB	Birmingham	AL A	33.4352	86.3757	1ST 299C	100.H	100.V	377			209.8	176.	
16.1	196.5	WIVKFM	LIC	BLH911008KA	Knoxville	TN A	35.4841	83.4010	1ST 299C	91.H	91.V	626			227.2	176.	
148.1	328.5	WPEZ	LIC	BLH890221KA	Macon	GA A	32.4512	83.3346	2ND 300C1	100.B	100.B	210			142.7	76.	
148.1	328.5	WPEZ	DEL	RM9204	Macon	GA A	32.4512	83.3346	2ND 300C1	H	V	0			142.7	76.	
**DOCKET**98-18 **																	
185.5	5.5	WPEZ	ADD	RM9204	Hampton	GA A	33.1530	84.2621	2ND 300C1	H	V	0			65.6	76.	MX
**COMMENT**Site Restriction 20.4km Southwest **DOCKET**98-18 **																	

DISTANCE		CALL	LOCATION	FREQ. (KHZ)	COORDINATES	FILE NO.	AZIMUTH	
(MILES)	(KM)						FROM	TO
2.61	4.21	WQXI	ATLANTA	GA US 790 Lic	DAN Day 33-48-42N 84-21-13W	BL970822KA	157.4	337.4
2.68	4.32	WAFS	ATLANTA	GA US 920 Lic	ND1 Day 33-48-35N 84-21-23W	BL810302AN	161.7	341.7
2.73	4.40	WNIV	ATLANTA	GA US 970 Lic	NDD Day 33-48-35N 84-21-14W		158.8	338.8
2.73	4.40	WGKA	ATLANTA	GA US 1190 Lic	NDD Day 33-48-35N 84-21-14W	BL860714AB	158.8	338.8

C3 CHANNEL ALLOCATION - PROPOSED SITE

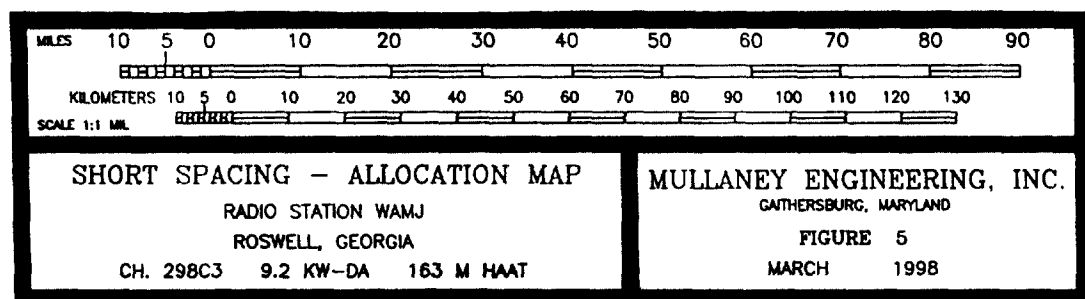
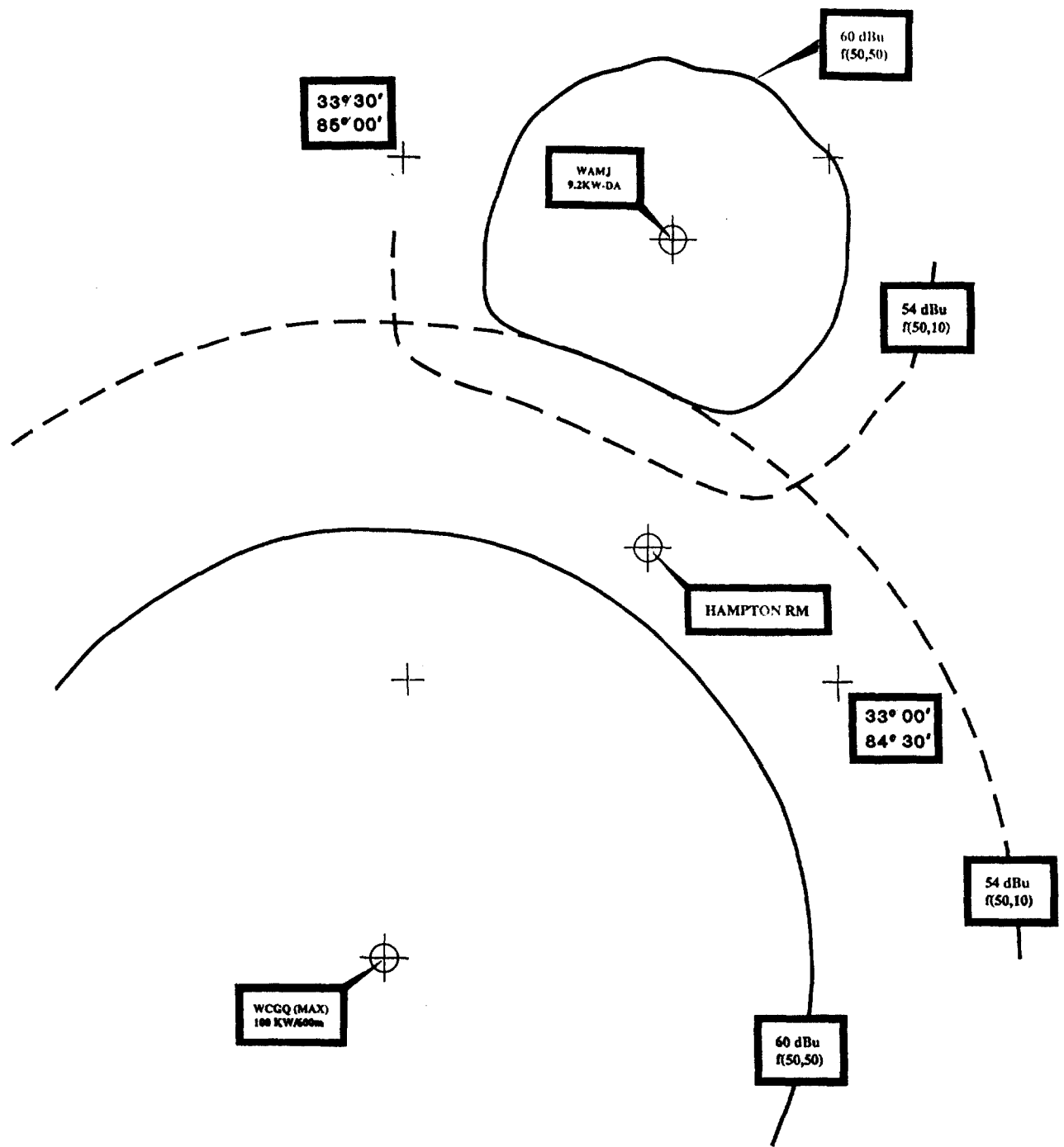
RADIO STATION WAMJ  
 ROSWELL, GEORGIA  
 Ch. 298C3 9.2 KW-DA 163 M HAAT

MULLANEY ENGINEERING, INC.

GAITHERSBURG, MARYLAND

FIGURE 4

MARCH 1998



# FM COVERAGE

\*\*\*\*\*

WAMJ C3 UPGRADE - FROM TOWER PLACE

3/98

CHANNEL NO. 298 C3      FREQUENCY 107.5 MHZ  
CENTER OF RADIATION 448.1 METERS AMSL  
COORDINATES: 33-50-48 / 84-22-16

MAXIMUM ERP 9.2 KW-DA

	BEARING DEGREES *****		3-16 KM AVERAGE *****	C.R. HAAT *****	E.R.P. (KW) *****	DISTANCE TO CONTOURS (KM)	
						60.0	54.0
*****							
CITY	0.	*	295.3	152.8	9.200	38.0	56.5
	15.		303.8	144.3	9.200	36.9	55.4
	30.		292.5	155.6	9.200	38.3	57.0
	45.	*	299.8	148.3	9.200	37.3	55.8
	60.		294.0	154.1	9.200	38.0	56.6
	75.		282.8	165.3	9.200	39.3	58.3
	90.	*	294.6	153.5	9.200	38.0	56.6
	105.		294.8	153.3	9.200	38.0	56.6
	120.		285.5	162.6	9.200	38.9	57.9
	135.	*	288.4	159.7	9.200	38.6	57.5
	150.		285.8	162.3	9.200	38.9	57.8
	165.		286.2	161.9	8.200	38.0	56.5
	180.	*	285.0	163.1	4.303	32.8	49.2
	195.		287.4	160.7	3.046	29.9	45.2
	210.		280.6	167.5	2.715	29.8	44.9
	225.	*	266.7	181.4	3.264	32.3	48.4
	240.		251.3	196.8	6.220	38.9	57.5
	255.		250.6	197.5	9.200	42.2	62.3
	270.	*	269.1	179.0	9.200	40.7	60.0
	285.		287.9	160.2	9.200	38.8	57.6
	300.		285.3	162.8	9.200	39.1	57.9
	315.	*	285.4	162.7	9.200	39.1	57.9
	330.		287.0	161.1	9.200	38.8	57.6
	345.		301.4	146.7	9.200	37.2	55.7

AVERAGE ( 8 ) \* 285.5 162.6 Meters

54.0 DBU CONTOUR IS BASED ON F(50,10) CURVE

WAMJ - SHORT SPACING CONTOURS

RADIO STATION WAMJ  
ROSWELL, GEORGIA  
Ch. 298C3 9.2 KW-DA 163 M HAAT

MULLANEY ENGINEERING, INC.

GAITHERSBURG, MARYLAND

FIGURE 5-A

MARCH 1998

**FM COVERAGE**  
\*\*\*\*\*

**WCGQ LIC - Columbus, GA (MAX)**

3/98

**CHANNEL NO. 297 C**

**FREQUENCY 107.3 MHZ**

**CENTER OF RADIATION 710.0 METERS AMSL**

**COORDINATES: 32-27-59 / 85-03-23**

BEARING DEGREES *****		3-16 KM AVERAGE *****	C.R. HAAT *****	E.R.P. (KW) *****	DISTANCE TO CONTOURS (KM)	
					60.0	54.0
0.	*	130.6	579.4	100.	91.1	135.5
15.		120.9	589.1	100.	91.4	136.0
30.		124.4	585.6	100.	91.2	135.8
45.	*	128.7	581.3	100.	91.1	135.7
60.		111.9	598.1	100.	91.7	136.5
75.		90.8	619.2	100.	92.5	137.4
90.	*	86.4	623.6	100.	92.7	137.8
105.		85.9	624.1	100.	92.7	137.8
120.		86.7	623.3	100.	92.7	137.8
135.	*	74.1	635.9	100.	93.2	138.4
150.		88.3	621.7	100.	92.7	137.6
165.		118.8	591.2	100.	91.4	136.1
180.	*	105.3	604.7	100.	92.1	136.8
195.		103.1	606.9	100.	92.1	137.0
210.		97.6	612.4	100.	92.2	137.1
225.	*	97.9	612.1	100.	92.2	137.1
240.		104.6	605.4	100.	92.1	136.8
255.		110.3	599.7	100.	91.7	136.6
270.	*	114.9	595.1	100.	91.6	136.3
285.		117.9	592.1	100.	91.6	136.1
300.		127.4	582.6	100.	91.1	135.7
315.	*	142.0	568.0	100.	90.4	134.9
330.		148.3	561.7	100.	90.3	134.5
345.		129.5	580.5	100.	91.1	135.7

**AVERAGE ( 8 ) \* 110.0 600.0 Meters**

**54.0 DBU CONTOUR IS BASED ON F(50,10) CURVE**

**WCGQ - SHORT SPACING CONTOURS**

RADIO STATION WAMJ

ROSWELL, GEORGIA

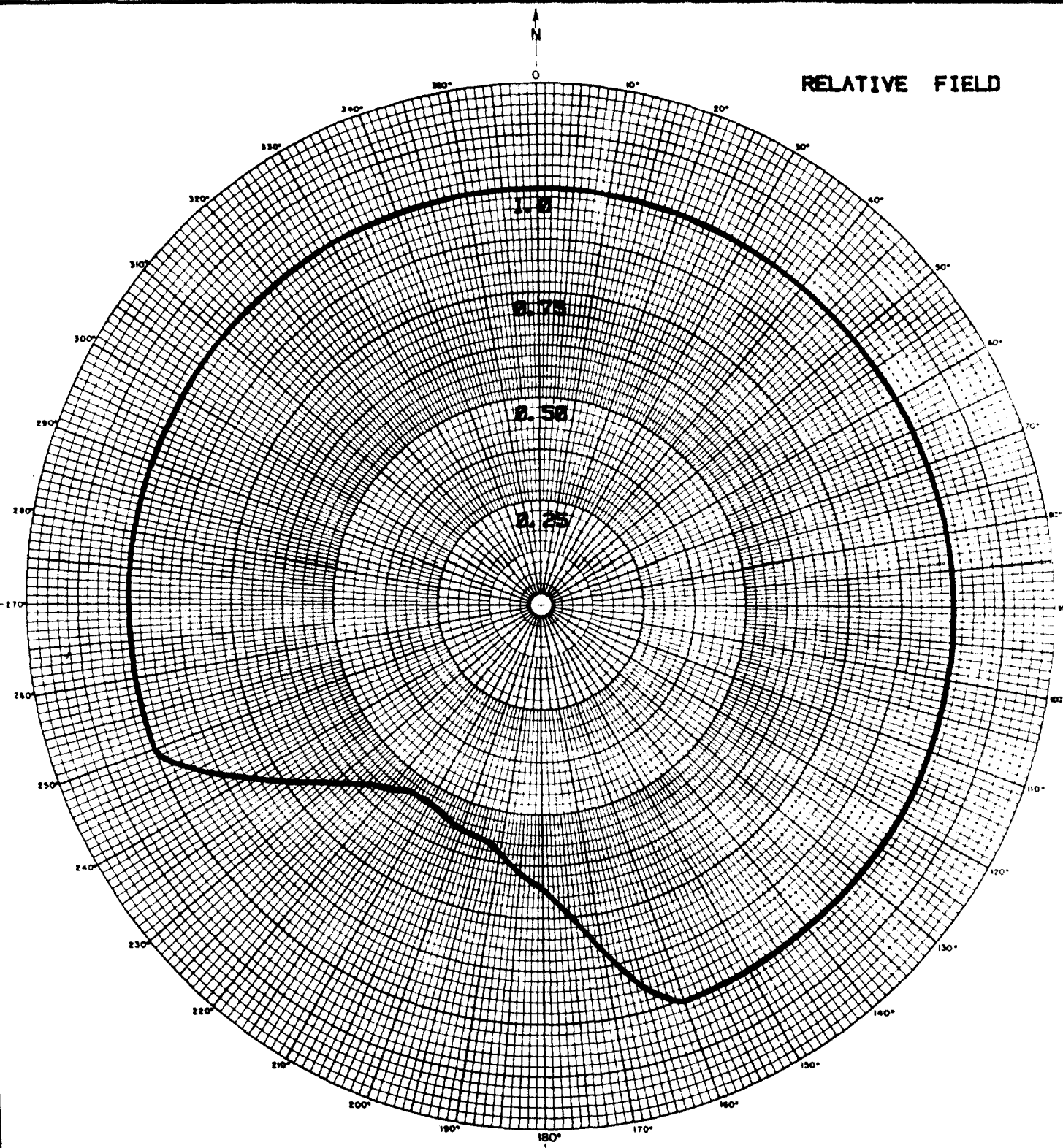
Ch. 298C3 9.2 KW-DA 163 M HAAT

**MULLANEY ENGINEERING, INC.**

GAITHERSBURG, MARYLAND

**FIGURE 5-B**

**MARCH 1998**



### HORIZONTAL RADIATION PATTERN

RADIO STATION WAMJ

ROSWELL, GEORGIA

CH. 298C3 9.2 KW-DA 163 M HAAT

MULLANEY ENGINEERING, INC.

GAITHERSBURG, MARYLAND

FIGURE 6

MARCH 1998

BEARING DEGREES	RELATIVE FIELD	ENVELOPE	
		DBK	KW
0.	1.000	9.64	9.200
10.	1.000	9.64	9.200
20.	1.000	9.64	9.200
30.	1.000	9.64	9.200
40.	1.000	9.64	9.200
50.	1.000	9.64	9.200
60.	1.000	9.64	9.200
70.	1.000	9.64	9.200
80.	1.000	9.64	9.200
90.	1.000	9.64	9.200
100.	1.000	9.64	9.200
110.	1.000	9.64	9.200
120.	1.000	9.64	9.200
130.	1.000	9.64	9.200
140.	1.000	9.64	9.200
150.	1.000	9.64	9.200
160.	1.000	9.64	9.200
170.	0.841	8.14	6.513
180.	0.684	6.34	4.303
190.	0.603	5.24	3.340
200.	0.569	4.74	2.977
210.	0.543	4.34	2.715
215.	Min 0.543	4.34	2.715
220.	0.569	4.74	2.977
230.	0.653	5.94	3.925
240.	0.822	7.94	6.220
250.	1.000	9.64	9.200
260.	1.000	9.64	9.200
270.	1.000	9.64	9.200
280.	1.000	9.64	9.200
290.	1.000	9.64	9.200
300.	1.000	9.64	9.200
310.	1.000	9.64	9.200
320.	1.000	9.64	9.200
330.	1.000	9.64	9.200
340.	1.000	9.64	9.200
350.	1.000	9.64	9.200

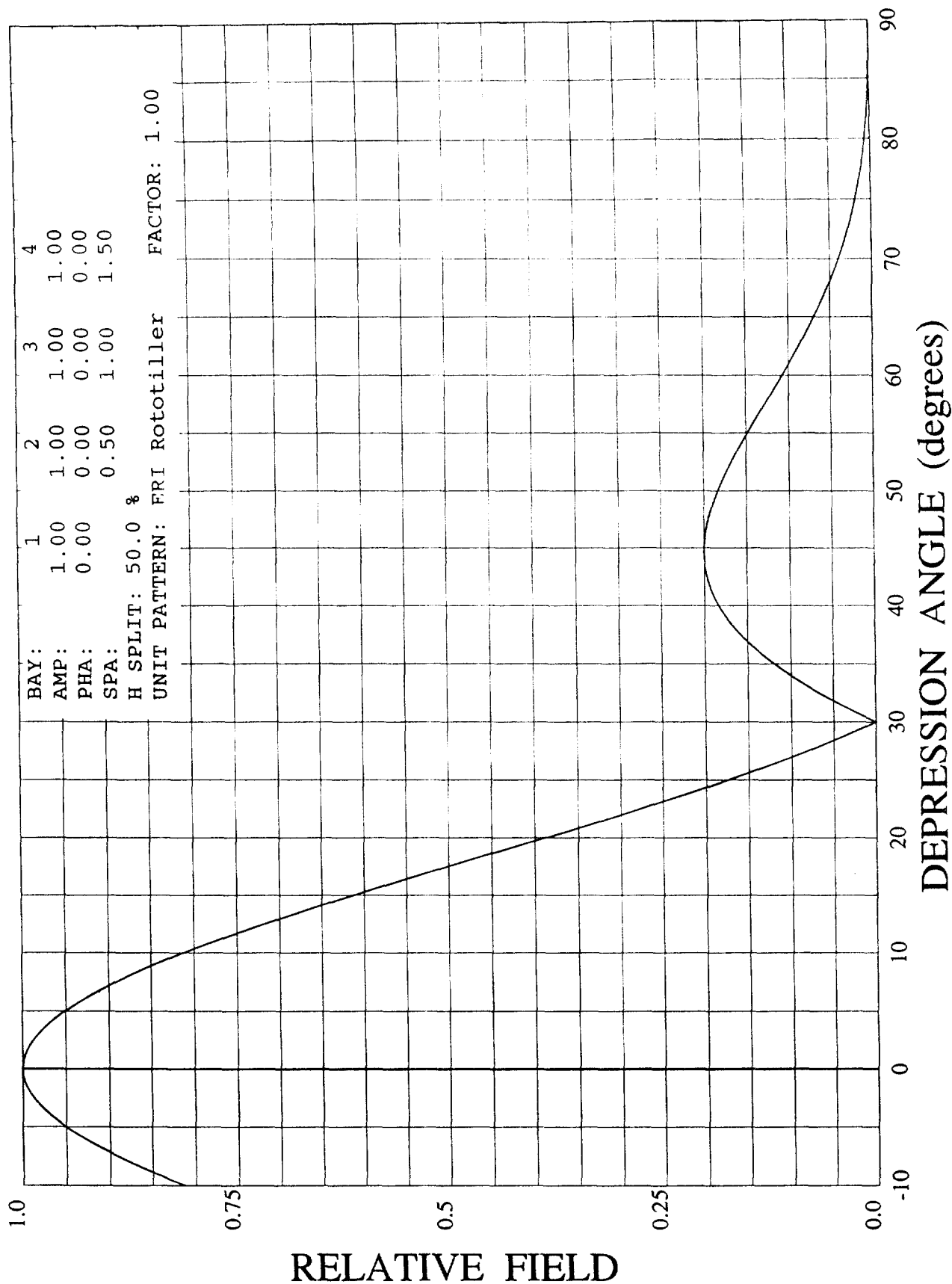
TABULATION OF HORIZONTAL  
RADIATION PATTERN

RADIO STATION WAMJ  
ROSWELL, GEORGIA  
Ch. 298C3 9.2 KW-DA 163 M HAAT

MULLANEY ENGINEERING, INC.

GAITHERSBURG, MARYLAND

FIGURE 6-A  
MARCH 1998



4 - BAY FM ELEVATION PATTERN

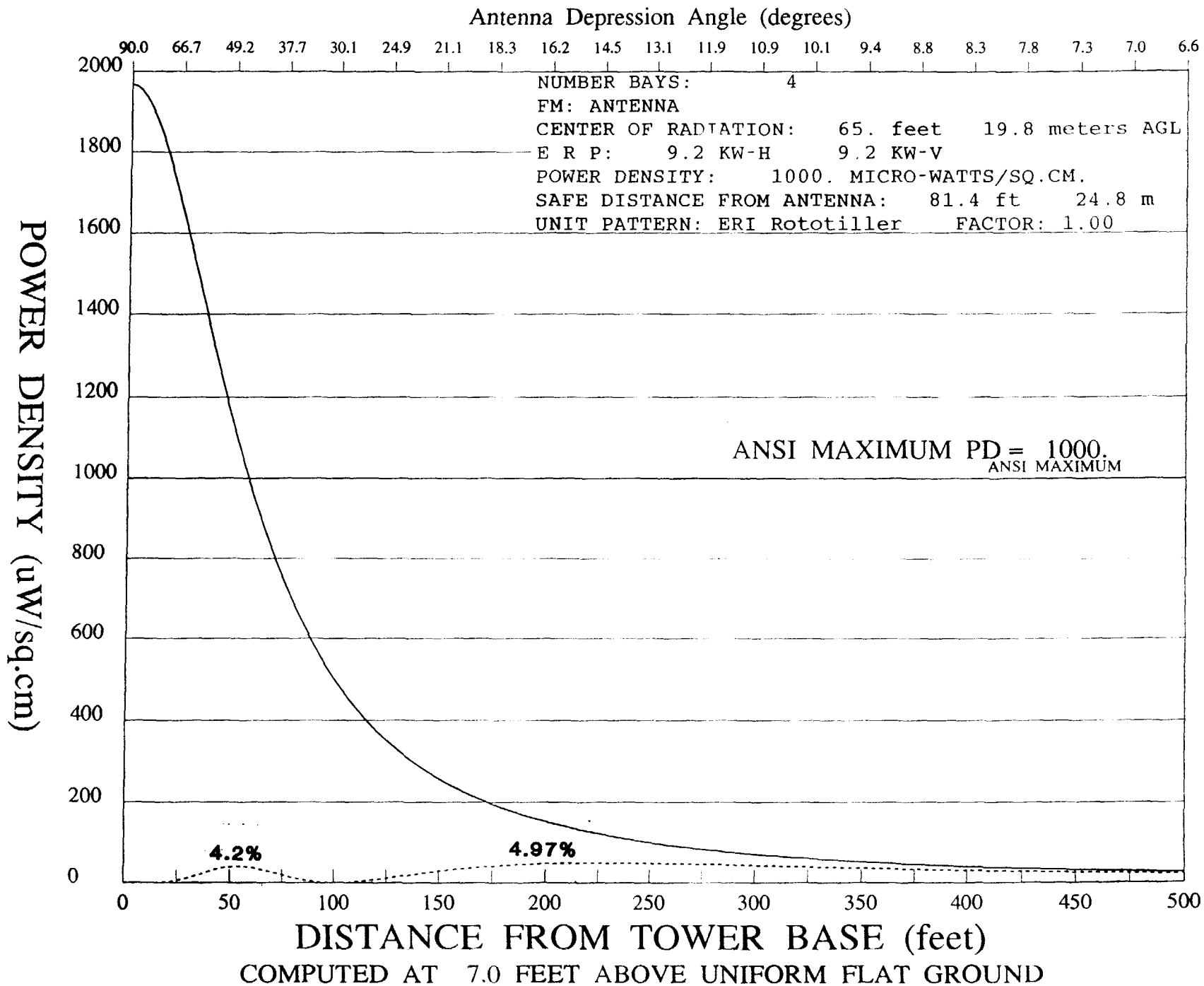
RADIO STATION WAMJ (C3 UPGRADE)  
 ROSWELL, GEORGIA

Mullaney Engineering, Inc.  
 Gaithersburg, Maryland

FIGURE 7  
 MARCH 1998

R.F. EXPOSURE ANALYSIS  
RADIO STATION WAMJ (C3 UPGRADE)  
ROSWELL, GEORGIA

Mullaney Engineering, Inc.  
Gaithersburg, Maryland  
FIGURE 7-A  
MARCH 1998





\*\*\*\*\* FM CHANNEL STUDY NO. 1 - MULLANEY ENGINEERING, INC. GAITHERSBURG, MARYLAND - 4-MAR-98 16:26:44 \*\*\*\*\*  
 \*\*\*\*\* LAST UPDATE: 980228 \*\*\*\*\*

WAMJ	298 C3	FR	POLARIZATION	ERP (KW)	HAAT	RCAMSL
ROSWELL - SPECIAL REF. GA	US			HOR PLN	BM TILT	(METER)
33.5911	84.2106 (D.MMSS)		HORIZONTAL	25.000	0.000	100.0
			VERTICAL	25.000	0.000	100.0

SPECIAL REFERENCE POINT	EST SITE ELEVATION :	299.6 m.;	982.9 ft.
	EST RAD CENTER AGL :	100.6 m.;	330.0 ft.
	RAD CENTER A.M.S.L.:	400.2 m.;	1313.0 ft.

\*\*\*\*\*  
 \* POSSIBLE INTERFERENCE TO FCC MONITORING STATION \*  
 \* POWDER SPRINGS, GA \*  
 \*\*\*\*\*

FM TO FCC DISTANCE = 37.1 KM; BEARING = 248.2 ( DISTANCE IS WITHIN 80. KM AND ERP 25 KW OR MORE )

AZIMUTH	FROM	TO	CALL	STS	FILE NUMBER	CITY	ST C	LAT (D.MMSS)	LONG	REL CHN	ERP (KW) HORZ VERT	HAAT D (M)	I-CON F5010	P-CON F5050	DIST (KM)	IR RSEP	IC RSEP	REZ IR	
297.0	116.6	WTSHFM	LIC		BLH921001KC	Rockmart	GA A	34.1503	84.5905	2ND 296C2	45.H 45.V	158			65.4	56.			
201.4	21.0	WCGQ	LIC		BLH861124KA	Columbus	GA A	32.2759	85.0323	1ST 297C	100.H100.V	308			180.9	176.		C	
63.1	244.1	WJMZFM	LIC		BLH790510AD	Anderson	SC A	34.4206	82.3620	1ST 297C	100.H100.V	308			179.2	176.		C	
135.5	316.4	WDBN	LIC		BLH940315KA	Wrightsvi	GA A	32.3705	82.4605	CO 298A	6.0H 6.0V	100			211.6	142.			
175.1	355.1	WAMJ	CP		BPH870727MF	Roswell	GA A	33.5548	84.2045	CO 298A	6.0H 6.0V	98			6.3	142.			
315.3	134.8		VAC			La Fayette	GA A	34.4231	85.1333	CO 298A	H V				113.5	142.		DEL	
313.3	132.8	NEW	APP		BPH920304MH	La Fayette	GA A	34.4138	85.1612	CO 298A	2.75H2.75V	104			115.3	142.		DEL	
315.3	134.8		DEL		RM9151	La Fayette	GA A	34.4231	85.1333	CO 298A	H V				113.5	142.		DEL	
**COMMENT**					EFFECTIVE 3/9/98					**DOCKET**97-196 **									
263.0	81.7	WRAX	LIC		BLH910708KB	Birmingham	AL A	33.4352	86.3757	1ST 299C	100.H100.V	377			213.0	176.			
16.9	197.2	WIVKFM	LIC		BLH911008KA	Knoxville	TN A	35.4841	83.4010	1ST 299C	91.H 91.V	626			211.8	176.			
151.7	332.1	WPEZ	LIC		BLH890221KA	Macon	GA A	32.4512	83.3346	2ND 300C1	100.B100.B	210			155.2	76.			
151.7	332.1	WPEZ	DEL		RM9204	Macon	GA A	32.4512	83.3346	2ND 300C1	H V	0			155.2	76.			
										**DOCKET**98-18 **									
185.7	5.7	WPEZ	ADD		RM9204	Hampton	GA A	33.1530	84.2621	2ND 300C1	H V	0			81.2	76.		C	
**COMMENT**					Site Restriction 20.4km Southwest					**DOCKET**98-18 **									

THERE WERE 0 AM STATIONS WITHIN 6.43 KM (4 MI) OF THE FM REFERENCE COORDINATES

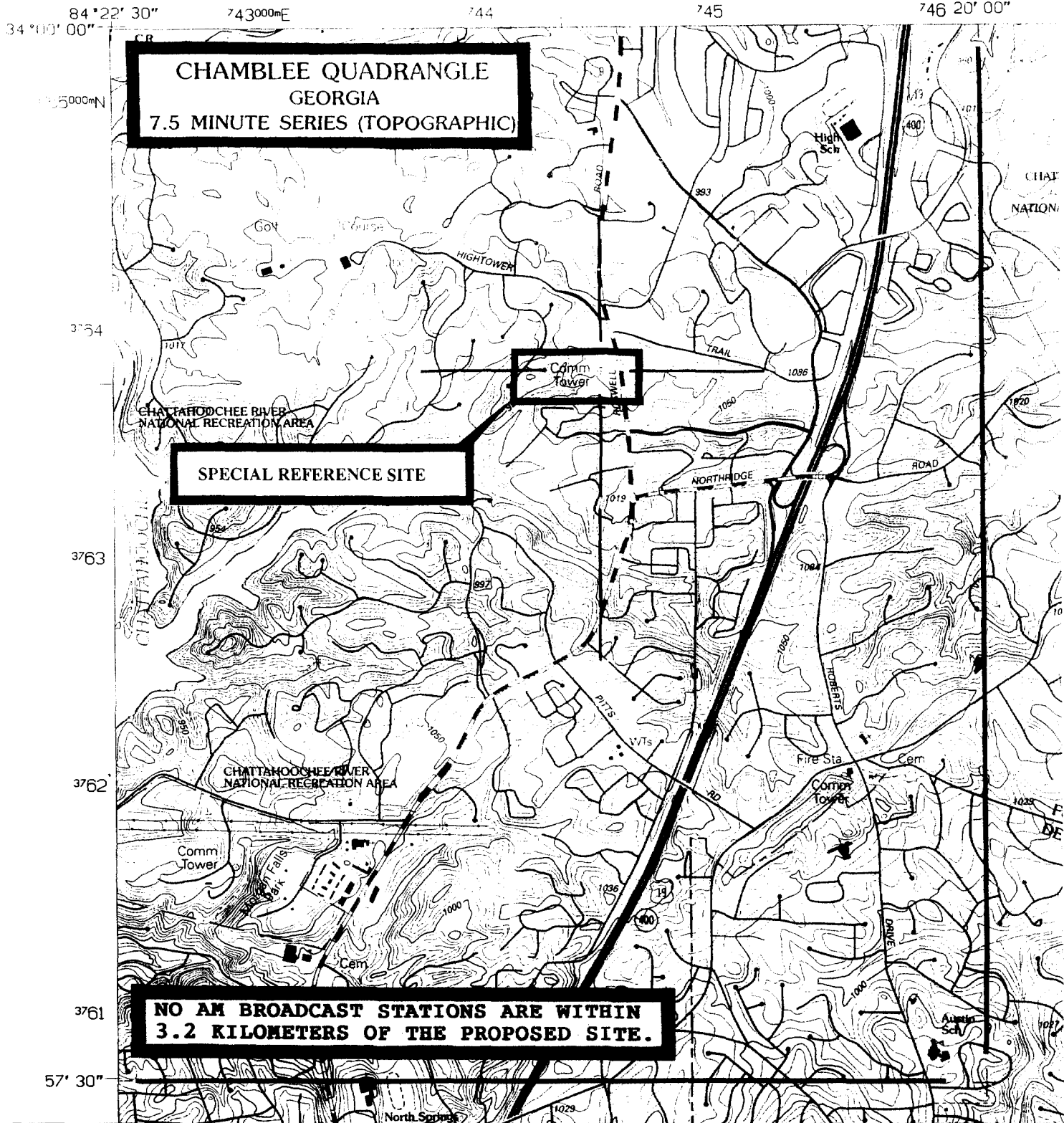
C3 CHANNEL ALLOCATION -  
 SPECIAL REFERENCE SITE

RADIO STATION WAMJ  
 ROSWELL, GEORGIA  
 Ch. 298C3 9.2 KW-DA 163 M HAAT

MULLANEY ENGINEERING, INC  
 GAITHERSBURG, MARYLAND

FIGURE 8  
 MARCH 1998

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



SCALE 1:24K

**TOPOGRAPHIC MAP**

RADIO STATION WAMJ  
ROSWELL, GEORGIA

CH. 298C3 9.2 KW-DA 163 M HAAT

**MULLANEY ENGINEERING, INC.**

GAITHERSBURG, MARYLAND

**FIGURE 8-A**

MARCH 1998

## SECTION VI - EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

Does the applicant propose to employ five or more full-time employees?

☐ Yes ☐ No

If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC Form 396-A).

## SECTION VII - CERTIFICATIONS

1. Has or will the applicant comply with the public notice requirements of 47 C.F.R. Section 73.3580? ☒ Yes ☐ No
2. Has the applicant reasonable assurance, in good faith, that the site or structure proposed in Section V of this form, as the location of its transmitting antenna, will be available to the applicant for the applicant's intended purpose? ☒ Yes ☐ No

If No, attach as an Exhibit, a full explanation.

Exhibit No.

3. If reasonable assurance is not based on applicant's ownership of the proposed site or structure, applicant certifies that it has obtained such reasonable assurance by contacting the owner or person possessing control of the site or structure.

Name of person contacted: Andrea Lowry

Telephone No. (include area code): 713-570-3305

Person contacted: (check one box below:

☐ Owner ☒ Owner's Agent ☐ Other (specify)

4. By checking Yes, the applicant certifies, that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b). ☒ Yes ☐ No

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached Exhibits are considered material representations, and that all Exhibits are a material part hereof and incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.65, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Name Frank W. Johnson, Jr.	Signature <i>Frank W. Johnson Jr.</i>
Title President	Date March 6, 1998
Typed or Printed Name of Person Signing	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

FCC/MELLOW

MAR 09 1998

DICKSTEIN, SHAPIRO, MORIN & OSHINSKY LLP  
2101 L Street NW Washington DC 20037-1526

ACCOUNT NUMBER 470398 7  
Date Check No.  
March 9, 1998 153230

Description &amp; Invoices That This Check is Written For

J5238.002, Filing Fees

Federal Communications  
Commission

Check Amount Total 690.00

THIS CHECK IS VOID WITHOUT A BLUE &amp; PURPLE BACKGROUND AND AN ARTIFICIAL WATERMARK CERTIFICATION SEAL ON THE BACK - HOLD AT ANGLE TO VIEW SEAL

DICKSTEIN, SHAPIRO, MORIN & OSHINSKY LLP  
2101 L Street NW  
Washington DC 20037-1526

Nations Bank  
15-129540

Check No.

153230

Date

March 9, 1998

Amount

\$ 690.00

PAY \*\*\*Six Hundred Ninety and 00/100 Dollars\*\*\*

TO  
THE  
ORDER  
OF

Federal Communications  
Commission



SIGNATURE HAS A COLORED BACKGROUND - CHECK FOR MICROPATTERNING

⑈ 153230 ⑈

⑈ 054001204⑈ 470398 7 ⑈

**CERTIFICATE OF SERVICE**

I, Mary Odder, a secretary in the law firm of Kaye, Scholer, Fierman, Hays & Handler, LLP do hereby certify that, on this 29th day of April, 1998, I have caused a copy of the foregoing Reply Comments of U.S. Broadcasting Limited Partnership to be transmitted, via U.S. mail, postage prepaid, to the following:

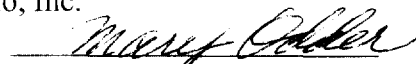
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Policy and Rules Division  
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Allocations Branch  
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Counsel for Cox Radio, Inc.

  
Mary Odder

\*/ Via Hand-Delivery